

U S S R.

Platinum resistance thermometers in the 0-100° range.
B. I. Filipcik. Dabrowski Akad. Nauk S.S.R., 9, 243-6
 (1935).—A TABLE of resistance differences $\Delta R = R_1 - R_2$, at the reference temps. t_1 and t_2 , $= \frac{(R_1 - R_2)}{(R_1 + R_2)}$, where R_1 and R_2 are the resistances at the temp. t_1 and t_2 , while R_1 is the resistance at the temp. t_3 , intermediate between t_1 and t_2 . ΔR was expected to remain uniform between R_1 and R_2 , and the more so the closer t_3 is to t_2 . The reference temps. used were: the m.p. of ice, t_1 ; p.p. of HgO , the solidification points of Cd (320.9°), Zn (410.5°), Sb (630.5°), Cu-Ag eutectic (778.5°), Ag (960.8°), and Al (1003.0°).

W. M. Sternberg.

PILICHOWSKI, Czeslaw, dr.

The western and northern territories constitute an integral part
of Poland. Przegl techn no.18:5 6 My '62.

1. Sekretarz dla spraw Programowych Towarzystwa Rozwoju Ziemi
Zachodnich, Warszawa.

CA

10

Neutral products of oxidation of pinene. K. SŁAWIŃSKI, J. PIĘCICKA AND W. ZACHARIEWICZ. Roczniki Chem. 11, 763-773(773 in English) (1937) - Pinene, b 159°, [α]_D -10.24°, d₂²⁰ 0.8758, n_D²⁰ 1.4647, oxidized in a 10% acetone soln by means of KMnO₄, according to Wagner, gave partly oxidation products sol in eq. acetone (I). The rest (30%) being pinene, which did not enter into the reaction. I consisted of a fraction b 101-102°, which gave a compound C₁₁H₁₈O, m 124.6°. Its monomericcarboxylic C₁₁H₁₈ONa is decomposed at 204°. Oxidation with KMnO₄ or Ag₂O yielded pinonic acid, m. 130.1°. The fraction of I b 102-116° gave a glycol, C₁₁H₂₀O₂ (II), m. 95.7°, b. 101.2°, optically inactive. II, treated with PCl₅ in CHCl₃, gave as the main product a pinol, b. 70-80°. Oxidation of II with KMnO₄ gave α-pinonic acid, m. 131.4°. Furthermore, II gave a monourethan, C₁₁H₁₈N₂, decomps. 78°. Acetylation of II gave a mixt. of the monoacetate and an acetate of the unsatd. alc. C₁₁H₂₀O. The latter was isolated by fractionating the ester mixt. and saponifying the fraction b 90-5°. The alc. has a cumin odor, b. 70.2°, d₂²⁰ 0.9757, d₂²⁰ 0.9910, n_D²⁰ 1.4013. It is oxidized by KMnO₄ to a glycerol. It is concluded that, depending on the means of oxidation, either the double bond is oxidized, yielding pinene derivs. or the conjugated bond, yielding terpene derivs. of a 1-ring structure (cf. C. I. 19, 52). J. WISNIEWSKI

AUTHOR: Pilika, F. SOV'20-128-4-1176
TITLE: Boundary Functions of Classes $H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$
PERIODICAL: Doklady Akademii Nauk SSSR, 1959, Vol 118, Nr 4, pp 677-679 (USSR)
ABSTRACT: The classes $H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$ are introduced by S.M.Nikol'skiy [Ref. 1], where at the same time an imbedding theorem for these classes is proved. As a boundary function of the class $H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$ the author denotes each function of this class which for no M_i belongs to the class $H_{p_1, \dots, p_n}^{(r'_1, \dots, r'_n)}$, where $\sum_{k=1}^n (r'_k - r_k) > 0$, $r'_k - r_k \geq 0$. The author constructs examples of such boundary functions and proves that the mentioned imbedding theorem cannot be improved. The formulated three theorems and three lemmas generalize the corresponding results of T.I. Amanov [Ref. 2] for the class

Card 1 of 2

Bivariate Functions of Classes $H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$

SOV 00-128-2-11/85

$H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$

The author mentions S.M.Bershteyn, and N.I.Akniizer.
There are 9 references, 7 of which are Soviet, and 2 American.

ASSOCIATION: Tiranskiy gosudarstvennyy universitet Tirana, Albaniya
(Tirana State University, Tirana, Albania)

PRESENTED: June 11, 1952, by I.M.Vinogradov, Academician

SUBMITTED: June 6, 1952

CONT'D.

PILKA, P.

Supplement to Nikol'skii's imbedding theorem for the $H_{\{f_1, \dots, f_n\}}$ class and impossibility of improving one evaluation. Dokl. AN SSSR 135: no.6:1334-1337 D '60. (MIR 13:12)

1. Tiranskiy gosudarstvennyy universitet, Tirana, Albaniya.
Predstavлено академиком I.M. Vinogradovym.
(Functional analysis)

PILIKA, Petrak. Cand Phys-Math Sci -- "On enclosure theorems for $H_{p_1, \dots, p_n}^{(r_1, \dots, r_n)}$ "
[REDACTED] Mos, 1961 (Mos Order of Lenin and Order of Labor Red Banner State
Univ im M. V. Lomonosov. Mechanical-Math Faculty). (KL, 4-61, 184)

-33-

1 36985-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6012220

SOURCE CODE: UR/0032/66/032/004/0457/0457

AUTHOR: Kleyner, L. M.; Pilikina, L. D.; Ryazanova, A. N.; Plent, O. V.

ORG: none

TITLE: Determination of grain size in high strength steels of the
martensite type

SOURCE: Zavodskaya laboratoriya, v. 32, no. 4, 1966, 457

TOPIC TAGS: grain size, martensitic steel, high strength steel

ABSTRACT: The proposed method consists in oxidation of the metal at a temperature somewhat lower than Ac_1 ($600-730^{\circ}\text{C}$). The oxidizer used was KMnO_4 which decomposes above 200°C , evolving atomic oxygen. A sample was oxidized at a temperature of 720 or 600°C for 2 or 4 hours. After cooling in air to room temperature, the oxide film was removed. Etching was carried out with a reagent consisting of 4 grams CuSO_4 ; 20 ml HCl ; and 20 ml H_2O_2 , with the addition of a surface active substance--synthol (10:6). The article shows microphotos of the polished samples. Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: none.

Cord 1/1 98

MEDVEDEV, N.N.; PILIKOVSKIY, M.Ya.

Replacing card stripping flats by rollers. Otn.tekhn. sovt. [MLP]
no.16:21-23 '56. (MIRA 11:11)
(Carding machines)

PILIN, A.I., inz.

Practices in the technical and economic establishment of design features. (1961). strct. 14 no.11 44-45 N '64. MIA, F,

L 23852-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(l) JD
ACC NR: AP6007707 SOURCE CODE: UR/0413/66/000/003/0085/0085

AUTHOR: Pilin, B. P.

ORG: none

TITLE: Method for indicating defects in ultrasonic flaw detectors, Class 42,
No. 178561 14 18

SOURCE: Izobreteniya, promyshlennyye obraztsey, tovarnyye znaki, no. 3, 1966, 85

TOPIC TAGS: ultrasonic flaw detector, cathode ray tube

ABSTRACT: This Author Certificate presents a method for indicating defects in ultrasonic flaw detectors. The thickness sweep voltage is supplied to the vertical deflection plates of a cathode ray tube (CRT). The voltage proportional to the translation of the ultrasonic probe along the surface of the product is supplied to the horizontal deflection plates. The echo pulse from a flaw controls the brightness of the CRT screen illumination (see Fig. 1). To increase the volume of information about the defect, the echo pulse voltage from the defect (together with the thickness sweep voltage) is supplied to the vertical deflection plates

Cord 1/2

UDC: 620.179.16.08

L 23852-66
ACC NR. AP6007707

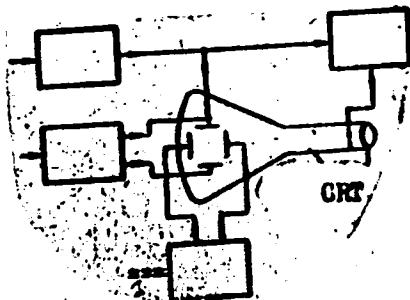


Fig. 1.

of the CRT. Orig. art. has: 1 diagram.

SUB CODE: 13/09/ SUBM DATE: 29Jan65

Card 2/2 87

PILINSKI, Kazimierz, mgr. inz.; WIEJA, Kazimierz, inz.; SWIĘCIMSKI, Zdzisław, mgr. inz.; CZARAKCZIEW, Iwan, mgr. inz.

Determination of the proper degree of offal from ingots of unskilled and killed steel. Huta Lenina prace no.10:98-111 '61.

KOLAN, Antoni, dr inż.; MARMIWICZ, Włodzisław, inż.; FILIŃSKI,
Kazimierz, mgr inż.; SIEMIĘGNIĘT, Zygmunt, inż.

Studies on the production of deep-drawing steel semikilled with aluminum. Huta Lenina practice.

KARMAZIN, V.I., doktor tekhn.nauk; KHERSONETS, L.N., inzh.; KRUTIY, V.V.,
inzh.; NIkolayenko, V.P.; PILINSKIY, O.I., inzh.

Industrial testing of magnetic separators with counterflow and
semicounterflow tanks. Gor. zhur. no.11:63-65 N '1.
(MIRA 15:2)

J. Mekhanobrchermet, Krivoy Rog.
(Separators (Machines))

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012408

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L 29559-66 EWT(1) GG
ACC NR: AP6015152

SOURCE CODE: UR/0142/66/009/002/0245/0247

AUTHOR: Mironov, V. M., Pilinskiy, V. V., Yamushevskiy, O. A.

ORG: none

TITLE: Electronic switch with electron-beam indicator

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 2, 1966, 245-247

TOPIC TAGS: electronic switch, electronic equipment

ABSTRACT: A general description is given of a multichannel electronic switch based on a selector-pulse generator and a set of selectors. Input circuits are connected to a common output in succession which is materialized by sequential gating of selectors by generator pulses. An experimental model used cold-cathode gas tubes in a ring-scaler circuit as a selector-pulse generator, electron tubes as selectors, an electron-beam tube for indication, and a special beam-blackout circuit for noise suppression. A maximum switching frequency of dozens kc is claimed, as are these advantages: low power consumption, linear signal transfer with an input-voltage variation of 60 db, and easy serviceability. Orig. art. has: 3 figures and 6 formulas.

SUB CODE: 09 / SUBM DATE: 21Nov64 / ORIG REF: 004

Card 1/1

UDC: 621.385.84

FILIKOVA, IY, M. YA.

42³00: FILIKOVA, IY, M. YA. (A. Dostoev'shchitski myva. Vsego oparyu knizhnochego svedeniya o meste i vremeni rassledovaniya. 1, 1948 s. 16, -25).

Su: Detektors' zhurnal'nykh stately, s. 1, 1948

PIMIKOV-KIV, N. V.A.

36236

Khodat' bol'shoy pakovki. Paketil. orom-ot', tash, tash, tash, tash, tash

SU: Detain's Zhurnal'nykh "stately", No. 49, 1969

PILIKOVSKII, N. A., VITELICHIA, T. P.

Cotton Manufacture

Processing machine-tricked cotton. Tula. Sov. S.S.R., 1957.

Monthly List of Russian Accessions, Library of Congress, Number 117, 1957.

1. TROTTSKY, V.A. (Eng.): PILIKOVSKY, M. Ya
2. MSCR (600)
4. Spinning Machinery
7. Silver condenser on LVS-305 silver machines.
Tekst. prom. 12. no. 11. 1^o52.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

PILIKOVSKIY, M.Ya.; IYEVLEVVA, O.T.

Straightening slivers on the LVS-305 machine by the method developed by the Ivanovo Scientific Research Institute of the Textile Industry. Tekst.prom. 15 no.2:45-46 F '55. (MLRA 8:3)
(Spinning machinery)

P
TROIITSKIY,V.A. ; PILIKOVSKIY,M.Ya. ; SHCHUKIN,P.A.

Testing the self-stopping device on the removable cylinder of
"Vulkan" combers. Tekst.prom.15 no.8:48-49 Ag'55. (MLRA 8:11)
(Combing machines--Testing)

PILIKOVSKIY, Mikhail Yakovlevich; RYBAKOV, Vladimir Mikhaylovich;
UKRAINSKIY, E.M., retsentent; BELITSINA, N.M., prof., doktor
tekhn. nauk, red.; SOKOLOVA, V.Ye., red.; SHVETSOV, S.V.,
tekhn. red.

[Processing of synthetic fibers by cotton-spinning machinery]
Pererabotka khimicheskikh volokon na khlopkopriadiil'nom oboru-
dovanii. Pod red. N.M.Belitsina. Moskva, Izd-vo nauchno-
tekhn. lit-ry RSFSR, 1961. 166 p. (MIRA 15:1)
(Textile fibers, Synthetic)
(Spinning machinery)

GUREV, Vladimir Yegorovich; USEKOV, Vladimir naevovich;
KLIBOV, A.K., prof., kand. tekhn. nauk, reisenzent;
BILINSKIY, N.YA., kand. tekhn. nauk, reisenzent;
ZAITSEV, V.Ye., rei.

[spinning of synthetic staple fibers] Priadenie khimicheskoj
tekhniki v tekhnicheskoye videnie. MOSKVA, Legkaya Industriya,
1962. 204 s.

100% A.F.C., M.I.B.

Manufacture of pyrotechnic fuses for military purposes
lengths, "M" series, 100% A.F.C., M.I.B., 1962, p. 200, Fig. 14.

BAKUNTS, V.S., inzhener; BAKINOVSKIY, K.L., inzhener; ALEKSEYENKO, S.A.;
PRYAKHIN, inzhener; PILLYAN, D.G. (Krasnodar); TEREKHOV, P.A., inzhener;
KLEYN, R.N., inzhener (Leningrad); GASSEOKH, A., inzhener; GUSEV, T;
ALEKSANDROV, elektromonter (Omskaya oblast'); SAVIN, I.A., inzhener;
KOLOMEYETS, I. (Omskaya oblast').

Arranging and insulating the ground wire of aerial lines. Energetik 1 no.6:
32-35 N '53. (MLRA 6:11)

1. Zakavkaztsvetmetstroy, g. Yerevan (for Bakunts). 2. Belenergostroy, g.
Minsk (for Bakinovskiy). 3. Stalinskaya zheleznaya doroga, g. Zaporozh'ye
(for Alekseyenko). 4. Sel'elektro, g. Sumy (for Terekhov). 5. Glavsel'-
elektro, Komi ASSR (for Gassokh). 6. Gorelektroset', g. Shcherbakov (for
Gusev). 7. Gorodskaya elektrostantsiya, g. Valuyki (for Aleksandrov).
8. Oblsel'khozproyekt, g. Pskov (for Savin).

(Electric lines--Overhead)

ACC NR: AP/001956

SOURCE CODE: UR/0120/66/000/006/0164/0166

AUTHOR: Korshunov, V. D.; Pilin, Yu. G.

ORG:: Ul'yanov Polytechnical Institute (Ul'yanovskiy politekhnicheskiy institut)

TITLE: A method for measuring the index of refraction and thickness of transparent thin film

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1966, 164-166

TOPIC TAGS: microelectronic thin film, optic thickness, refractive index, optic measurement

ABSTRACT: A nondestructive method for measuring thickness and indices of refraction of transparent thin films with a twin-wave interferometer is described as follows: a light ray from the source is split into two coherent rays. One of the rays falls on and is reflected from the film surface; the second is reflected from the interferometer mirror. The two rays combine to form the first series of interference fringes. At the same time the first ray goes through the film and reflects from the substrate surface (or the second film surface). The optical path length of the ray reflected from the second film surface is increased with respect to that of the ray reflected from the first surface by $S = 2nd$, where n is the index of refraction of the film and d is the film thickness. The film thickness can be determined from the expression $d = \lambda_c a_2 / 2nb_2$ where λ_c is the wavelength of the interference light,

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UDC: 539.216.22:535

ACC NR: AP7001956

n is the index of refraction of the film, a_2 is the distance between the series of interference fringes, and b_2 is the distance between the interference fringes. The thickness of films up to 20μ and their index of refraction can be measured by using an MII-4 interferometer in conjunction with the above method. Orig. art. has: 2 figures.

[IV]

SUB CODE: 20 / SUBM DATE: 09Dec65/ ORIG REF: 004/ ATD PRESS: 5110

Card 2/2

PILINENKO, A.P.

USSR/Physics - Instruments

May/Jun 51

"Chronicles: Joint Seminar of Committee of the All-Union Scientific-Technical Society of Instrument Building and the Laboratory of IAT (Institute of Automatics and Telemechanics)," A. P. Pilinenko, Sci Secy of the Seminary

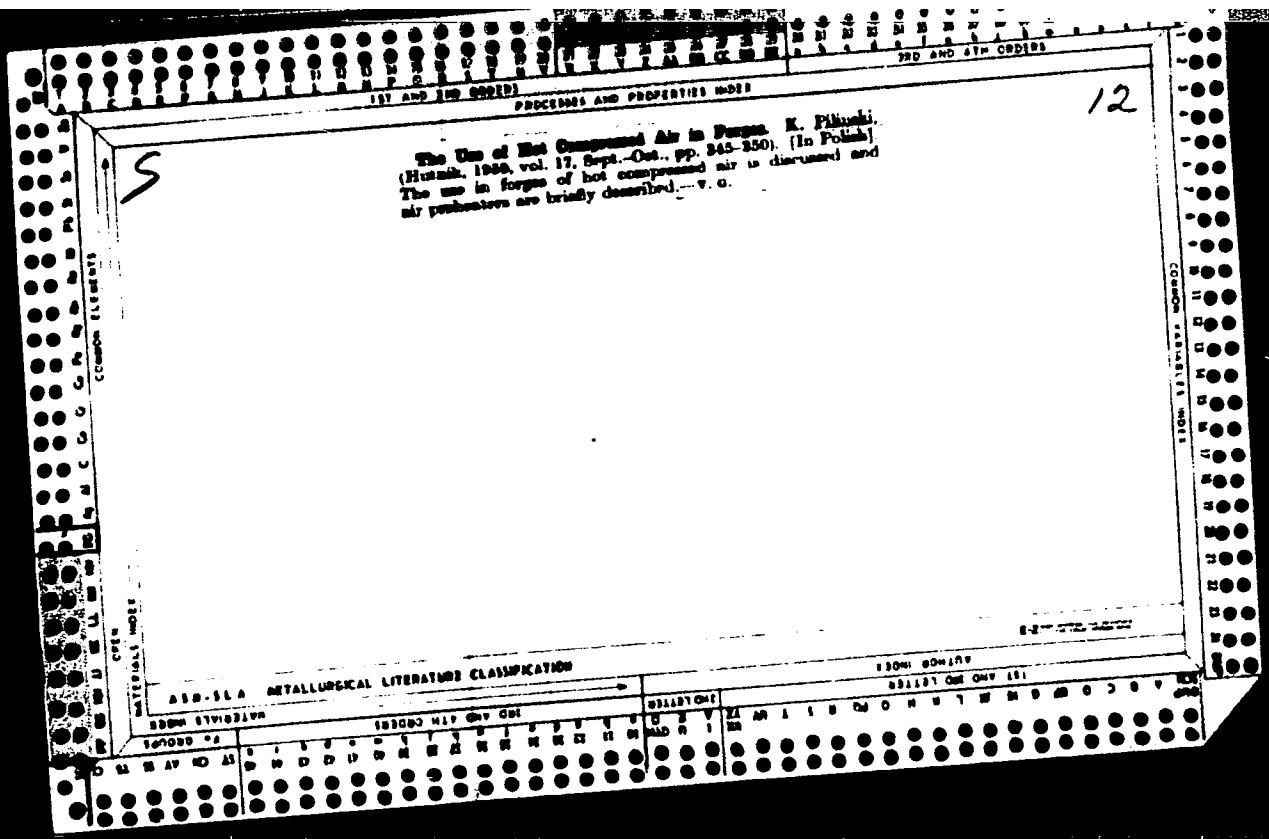
"Avtomat i Telemekh" Vol XII, No 3, pp 251, 252

Subject seminar was held 29 Dec 50. First report was by A. Ya. Lerner, Sr Sci Assoc, on the theme: "Problems on Structure of Aggregate Unified System of Automatic Control and Regulation Stability." Present were representatives of a number of Sci-

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entific research institutes and Orgenergoneft (All-Union State Trust for Power and Petroleum). Reports were given on the aggregate system principle in industrial instrument construction. Resolved that further study of stability of such system is needed.

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BA

62
4

Use of hot compressed air to temper. K. Pihlström (Hewlett), 1950, 17,
345-350; J. Iron Steel Inst., 1961, 189, 629) — A discusing. Air
preheaters are described briefly.
H. B. CLARK

PILINSKI, WLODZIMIERZ

Pilinski, Włodzimierz. Przeprawy wodne. (Warszawa) Wydawnictwo Ligi Morskiej (1951) 86 p. (Biblioteka szkoleniowa Ligi Morskiej) (The water crossing. Illus.)

SO: Monthly list of East European Accessions, LC, Vol. 3, No. 1, Jan. 1954,
Uncl.

LOMOVA, Mariula Feodosievna; GUSLISTIY, K.G. [Huslyatyj, K.H.], kand.
istor.nauk, red.; PILINSKIY, M.M. [Pylyns'kyj, M.M.] red. izd-va;
KUZ', V.P., tekhn.red.

[I.Franko's ethnographical work] Etnografichna diial'nost'
I.Franka. Kyiv, Vyd-vo Akad.nauk UkrSSR, 1957. 118 p. (MIRA 11:?)
(Franko, Ivan, 1856-1916)

PILINSKII, V.I., inzh.; NOVOSELOV, Yu.A., inzh.

Deter~~mining~~ the thermal field at multiple-pass grinding of hard alloys. Vest.mashinestr. 43 no.11:46-51 N '63. (MIRA 17.2)

PILINSKIY V I.

L 8916-65 EMT(a)/EMT(m)/EPB/T-2/EMP(k)/EMP(q)/EMP(b)/EMI(n)/EMT(z) PF-1/Ps-4
ACCESSION NR: APL046181 RAKM(a)/ASD(m)-3 JD/HW S/0122/61/000/009/0086/0087

AUTHOR: none

TITLE: Authors' abstracts of dissertations

SOURCE: Vestnik mashinostroyeniya, no. 9, 1964, 86-87

TOPIC TAGS: crane, bearing, surface hardening, polish, gear

ABSTRACT: V. V. Pyasetskij: Investigation of unbraced crane booms; Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). This is a study of a method for approximation computation of unbraced crane booms with transverse load. Results are given for investigation of fatigue at the site where boom and post join, and the affective concentration factors are provided. L. V. Baskakov: Investigation of possible increase in life of bearings by mechanical surface hardening of the rings; Saratovskiy politekhnicheskiy institut (Saratov Polytechnic Institute). This is a study of the surface layer of the ring for roller bearings, hardened by the rotation of the rollers. The state of the surface layer prior to and after hardening is examined for different conditions of treatment. V. I. Pilinskij: Theoretical and experimental investigation of polishing hard alloys; Kuybyshevskiy politekhnicheskiy institut imeni V. V. Kuybysheva (Kuibyshev Polytechnic Institute). The author investigates theoretically and experimentally the

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ACCESSION NR: APL046181

18 18 7

thermal phenomena arising during polishing of hard alloys. He establishes a connection between the temperature and the technological indices of the process, and he proposes methods and measures for most efficient polishing. N. P. Bernatskiy: Theory of gear engagement and a method for making worm gears with high load capacity; Leningradskiy politekhnicheskij institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). This represents a search for new types of spur gears with high load capacity. The author examines a worm gear with a worm profile limited by a circular arc in axial and normal sections of the turn. He proposes and makes a thorough study of worm gears with convolute worms of a new type, having a concave profile in axial section. He discusses the method and results of experimental investigation on worm gears with worms polished by a toroidal device using the F. L. Litvin method. V. V. Shul'ts: The geometry and load capacity of spur gears; Leningradskiy politekhnicheskij institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). This is a study on increasing the load capacity of worm gears by changing the geometry of the contact surfaces of the teeth. The parameters of the initial circular shape of the worm gears are determined for high load capacity. The author has designed a gear having twice the load capacity of correlative involute gears. V. A. Belov: A method of hardening the surface of a spherical head and the effect of this on the operational properties of the surface; Leningradskiy politekhnicheskij institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). The author's study permits a scientific and practical evaluation of a series of

Card 2/4

REZNIKOV, A.N., kand.tekhn.nauk; PILINSKIY, V.I., inzh.; LIMONOV, I.P., inzh.;
KHARKOV, L.N., inzh.

Cutting tools having welded-on hard alloy tips. Mashinostroitel'
no.12:21-24 D '57. (MIRA 10:12)

(Cutting tools)

GRABOVSKIY, L.K., inzh.; BASHILOV, G.N., inzh.; SOKOLOVSKIY, G.P., inzh.;
KRASNOSEL'SKIKH, S.N., inzh.; ANTONOV, P.A.; BYKOV, V.A., inzh.;
DANILOV, G.G., inzh.; GEL'FENBEYN, Ye.Yu., inzh.; PILIP, M.V.,
inzh.; MAKAROV, B.V., inzh.; RAGINSKIY, D.M., inzh.

Equipment of a working line of hot rolling mills. Sbor. st.
NII TIAZHMASH Uralmashzavoda no. 611.96 '65.
(MERA 18:11)

BYKOV, V.A.; GEL'FENBEYN, Ye.Yu.; PILIP, M.M.

New design of rope transfer and racking arrangements.
Prokat. proizv. no.2:111-117 '60. (MIRA 14:11)
(Rolling mills--Equipment and supplies)

SOKOLOV, V.Ya.; FILIP, Ya.A.

Prospects for finding oil and gas in sediments overlying the salt bed in eastern Turkmenistan. Neftegaz. geol. i geofiz. no.1: 22-25 '65. (MIRA 18:12)

i. Trest "Turkmenneftegazrazvedka".

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012408

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DATE 10-10-2007 BY SPK/MSB

(V.1.1 18:1)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012408

ПИЛИС, Владимир Васильевич; Абакумов, Илья, начин. ред.

Operational analysis of terrorist groups in Central America.
Organizations, their aims and methods of struggle and structure
of terrorist organizations. Moscow, 1980, 116 p.

SIDOROV, N.Ye., kand.tekhn.nauk; ANTONOV, V.K., inzh.; MISHCHENKO, N.M.;
PILIPAYTIS, F.F.

Use of heated and oxygen-improved air in iron-ore sintering. Stal'
20 no.10:878-883 O '60.
(MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i Yenakiyevskiy metallurgicheskiy zavod.
(Sintering) (Oxygen—Industrial applications)

FILIPCHENKO, F.I., inzh.

From the suggestions submitted in competition. Ugol'. prom. no.6:
75-81 N-D '62. (MInA 16:2)
(Mining engineering—Technological innovations)

PILICHENKO, I.G.

~~Veterinary service in stockbreeding. Veterinariia SSSR. 7.17-18~~
Jl '57. A 10.2.

Izobrazheniye vveternyye vrach Kivertsovskogo rayona, Volgograd oblasti.

(Veterinary medicine)

PILIPCHUK, A., polkovnik

If a group undertakes something. Tyl i snab. Sov. Vcor.
Sil 21 no.4:61-62 Ap '61. (MIRA 14:7)
(Russia—Army—Barracks and quarters)

PILIPCHUK, A., polkovnik

For a higher ideological standard of technical courses.
Komm.Vozruzh.Sil 1 no.16:73-76 Ag '61. (MIRA 14:7)
(Military education)

SLUTSKIY, S.S., kand.ekonom.nauk; PILIPCHUK, A.I., nauchnyy sotrudnik;
ANTONOV, M.F., kand.tekhn.nauk; MALYARCHUK, G.S., kand.tekhn.
nauk. Prinimali uchastiye: MEL'NIKOV, A.A., inzh.; ARSEN'YEVA,
A.I., inzh.; TEREKHOVA, Z.S., tekhnik; SIDOROVA, L.N., tekhnik;
ISSEERLIS, I.I., tekhnik; KRAVCHENKO, A.I., inzh. POSTNIKOV,
S.A., inzh., red.; ZHULIN, V.K., otv. za vypusk; POKHLEBKINA,
M.I., tekhn.red.

[Efficient distribution of and organization of work at cargo
transfer points] Ratsional'noe razmeshchenie i organizatsiya
raboty punktov perevalki. Pod obshchey red. S.S. Slutskogo.
Moskva, 1960. 127 p. (MIRA 14:2)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut
ekonomiki i ekspluatatsii vodnogo transportsa. 2. TSentral'nyy
nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii
vodnogo transportsa (for Slutskiy, Pilipchuk, Terekhova, Sidorova,
Isseerlis). 3. Institut kompleksnykh transportnykh problem AN SSSR
(for Antonov, Malyarchuk, Kravchenko).

(Cargo handling)

L 25149-65 EWT(d)/FSS-2/EEC-4/EEC(t) Pn-4/Pp-4/Pac-4
ACCESSION NR: AP5005987 8/0317/64/000/008/0072/0073 36
AUTHOR: Pilipchuk, A. (Reserve colonel)
TITLE: Communication over distributing electrical networks
SOURCE: Tekhnika i vooruzheniye, no. 8, 1964, 72-73
TOPIC TAGS: communication equipment, electric network, telephone system 8
ABSTRACT: After World War II methods were found to use electrical networks for telephone communications in farming and industrial regions. The ARS-81 apparatus is described. It is used to accomplish communication over such lines. It is exhibited at the Exhibit of the Accomplishments of the Soviet National Economy. Two models of the apparatus are produced: the AS (automated communication) and the T (remote control). Both types contain dispatching and controlled subassemblies. Up to ten controlled subassemblies can be connected to one dispatching subassembly. The operation of the equipment is explained and a circuit diagram of its application in an electrical network is given. Orig. art. has 2 graphs.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 000

JPRS

Card 1/1

PILIPCHUK, A.I.

Alternatives in water transport in the determination of the effectiveness of complex hydroelectric developments. Pr obl. gidroenerg. i reg. rech. stoka no.11:86-89 '63.

(MIRA 18:3)

PILIFCHUK, B. D., DUBOVYI, E. D. and DEYNEKA, I. Ya.

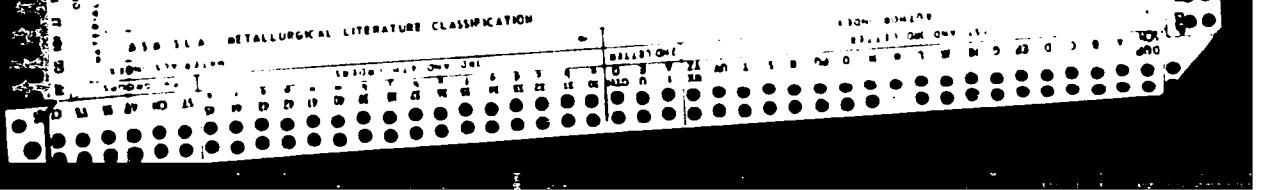
"The Application of Radioactive Phosphorus for the Treatment of Certain Inflammatory Diseases", a report presented at the Scientific Conference Devoted to the Application of Radioactive Substances in Medicine, Odessa Medical Institute, December 1954, Arkhiv, Patol., No. 2, 1956

Abstract:

In this report the authors told about the results of treatment with radioactive phosphorus of suppurative diseases of the skin and of the subcutaneous cellular tissues (carbuncles, furuncles, hydadenites) and also of acute surface thrombophlebitis and hemorrhoidal inflammations of the nodes.

Determination of Temperature According to the Indications of a Platinum Resistance Thermometer. (In Russian.) B. I. Pilipchuk. Zavodskaya Laboratoriya (Factory Laboratory), v. 13, July 1948, p. 631.
A method of computing temperatures on the basis of data obtained, is explained. Numerical examples of computations are presented.

16



Calculation of temperatures with the aid of a platinum resistance thermometer. In Part I of the *Zaradijama Lab.*, 14 (1951) 32-34 (1950), instead of $t = t_0 + \frac{1}{10^4} \Delta t$ ($t = 1000$), P. proposes $t = t_0 = \alpha t_0 + \beta - \gamma$. By substituting $x = t - t_0$, the equation becomes $x = \alpha x + \beta - \gamma$. By using Taylor series and making some rearrangements,

$$\frac{\alpha}{x} = 1 - \frac{\beta}{x} - \frac{\gamma}{x^2} \quad (1)$$

This equation is suitable for calculations by the method of successive approximations. Sample calculations are given.

and the first metropolis in the world.

ACM

13-51. Calculation of Temperature on
the Basis of Indication of a Platinum-
Platinum-Rhodium Thermocouple. (In
Russian) N. I. Philippuk, Zorinskaya
Laboratory, Partly Laboratory, V
15 April 1949 P 492 494
Simplified formulas for the above
calculation

12 *[Handwritten mark]*

M

Interpolation Formulas for the Platinum Resistance Thermometer and
Platinum Rhodium Platinum Thermocouple. B. I. Pilipchuk. *Zhur Tekhn Fizika*, 1949, 19, (8), 667-672. (In Russian). The fundamental
points of the International Temp. Scale at atmospheric pressure are the m.p.
and b.p. of water (0° and 100° C.), b.p. of sulphur (444.60° C.), and of oxygen
(-182.97° C.). The requirements regarding the properties of the platinum
and construction of the etalon thermometers as well as the details of specifications
adopted by international agreement. The interpolation formulas of the
2nd order for the range 0-100° C., and of the 3rd order for the range -100
0° C., may be transformed into the following form: $R_t = \sum_{i=1}^n R_i \phi_i(t) \psi_i$
 $(0 \leq t \leq 100)$ and $R_t = \sum_{i=1}^n R_i \psi_i(t) (-100 \leq t \leq 0)$. The knowledge of the numerical
values of the functions ϕ and ψ permits a number of problems to be solved,
such as calculating R_t and dR_t/dt for a given temp., analysing the influence of
errors of calibration by the etalons on the measuring result in the subsequent
use of the thermometer, finding the probable error of the calculated value of
the resistance R_t from the known probable error of the standard resistances.
The previous interpolation formulas of Callendar and Van Dusen are criticized
and replaced by P's own formula. A similar procedure is used for the case
of the platinum rhodium platinum thermocouple. B. F. K.

PILIPCHUK, B.I.

D.I.Mendeleev's temperature scale. Dokl.AN SSSR 95 no.1:75-76
(MLRA 7:3)
Mr '54.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I.Mendeleyeva.
(Thermometers and thermometry)

PILIPCHUK, B. I.

USSR/Physics - Techn. Physics

Card 1/1

Author : Pilipchuk, B. I.

Title : Platinum resistance thermometers in the 0 - 1063° C temperature range

Periodical : Dokl. AN SSSR, 97, Ed. 2, 243 - 246, July 1954

Abstract : The expansion of the zone of applicability of platinum resistance thermometers from the solidification point of antimony (630.5°C) to the solidification point of gold (1063.0°C) is discussed. Judging by the value of the thermal coefficient alpha platinum resistance thermometers can be divided into two groups: 1) thermometers of the small alpha group and 2) thermometers (manufactured of fine platinum) of the large alpha group. Fourteen references. Table.

Institution : The D. I. Mendeleyev All-Union Scient-Research Institute of Meteorology

Presented by : Academician A. F. Ioffe, June 3, 1954

PILIPCHUK, B.I.

D.I.Mendelev in the Central Chamber of Weights and Measures, Izn.
(MIRA 10:4)
tekh.no.1:10-12 Ja-F '57.
(Mendelev, Dmitrii Ivanovich, 1834-1907)

AP6012936 /EHT(m)/EMP(w)/EMP(r)/EMP(j)/T/EMP(t)/EMP(k)/EMP(h)/EMP(l)/
ETC(m)-6 JD/WW/RM SOURCE CODE: UR/0115/65/000/005/0055/0056

55
54
B

AUTHOR: Pilipchuk, B.I.

ORG: none

TITLE: First scientific and technical conference on hardness

SOURCE: Izmeritel'naya tekhnika, no. 5, 1965, 55-56

TOPIC TAGS: physics conference, hardness, polymer, metal property

ABSTRACT: In connection with the effort to raise production quality in the USSR, the measurement of hardness takes on new importance as an important quality indicator for many products. A conference on hardness was held 2-4 Feb 65, called by VNIIM. The conference was attended by 164 delegates from 23 cities of the USSR. Reports were heard and discussed on the theory of hardness, problems of unification of evaluation of hardness, hardness criteria and unified methods for testing for hardness. Two sections, one working on problems of interrelation of problems of microhardness, polymer hardness, the theory and practice of measuring hardness, were in operation at the conference. The resolution of the conference called for further development of

UDC: 620.178.1(063)

Card 1/2

L 22086-66

ACC NR: AP6012936

the theory of metal and non-metallic material hardness and development of hardness measuring methods. The conference asked that a display of hardness-measuring equipment be organized for the exposition of achievements of the national economy. The conference decided that another conference on the same subject should be held in the next 3-4 years maximum, and that the works of this conference should be published as an individual issue of the works of the Institutes of the state committee on standards.

[JPRS]

SUB CODE: 20, 11 / SUBM DATE: none

Conf 2/2

VARNELLO, Vikentiy Vikent'yevich; PILIPCHUK, S.I., nauchn. red.

(Measuring the hardness of metals) Izmerenie tvernosti
metallov. Moskva, Izd-vo standartov, 1965. 194 p.
(MIRA 18:6)

PILIPCHUK, B.I.

Errors in measuring hardness with a Rockwell tester. Trudy
inst. Kom. stand., mer i izm. prib. no.50:5-21 '61.
(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. Mendeleyeva.
(Rockwell test)

PILIPCHUK, B.I.; STEPANOV, S.S.

Investigating diamond tips for hardness testers. Trudy inst.
Kom. stand., mer i izm. prib. no. 50:22-28 '61.

(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. Mendeleyeva.

(Diamonds, Industrial—Testing)

PILIPCHUK, B.I., kand.tekhn.nauk

New method of calculating the hardness tested by pyramid. Metalloved.
1 term. obr. met. no.8:44-45 Ag '62. (MIRA 15:11)
(Hardness--Testing)

PILIPCHUK, B.I., kand.tekhn.nauk; ARUTYUNOV, V.O., doktor tekhn.nauk,
prof., otv.red.; DOLINSKIY, Ye.F., kand.tekhn.nauk, red.;
ALEKSANDROVA, N.N., red.izd-va; POL'SKAYA, R.G., tekhn.red.

[Review of hardness theories] Obzop teorii tverdosti. Moskva,
Gos. Izd-vo standartov standartgiz, 1962. 110 p. (Russia (1923-
U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov.
Trudy institutov Komiteta, no.60).

(MIRA 15: 1)

(Hardness--Measurement)

GONEK, N.F.; KIRMALOV, L.A.; PILIPCHUK, B.I.

Measuring pulsating gas flow. Izm.tekh. no.3:48-49 № 12.
(MIRA 15:2)
(Flowmeters)

PILIPCHUK, B.I., nauchnyy sotr., kand. tekhn. nauk; AVDEYEV, B.A.,
red.; ZELKIN, I.I., red. izd-va; LAKHMAN, F.Ye., tekhn. red.

[Modern techniques for determining the hardness of metals] Sov-
remennoe sostoianie tekhniki opredeleniya tverdosti metallov.
Moskva, Standartgiz, 1960. 105 p. (Russia (1923- U.S.S.R.)
Komitet standartov, mer i izmeritel'nykh priborov. Nauchno-
issledovatel'skii institut. Seriia obzornykh monografii po
izmeritel'noi tekhnike, no.13) (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I.Mendeleyeva (for Pilipchuk).
(Metals--Testing) (Hardness--Testing)

PILIPCHUK, B.I. (Leningrad)

How was the Kelvin temperature scale established. Fiz. v
shkole 21 no.1:90-93 Ja.-F '71. (MLA 147)
(Thermometry)

PILIPCHUK, B.I. (Leningrad)

Constructing unit systems. Fiz.v shkole 21 no.3:28-30 My-je
'61.
(Weights and measures)

PILIPCHUK, B.I.

Specific strain of ball indentation. Zav.lab. 27 no.9:1147-1149
'61.
(MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
imeni D.I. Mendeleyeva.
(Hardness)

ZAYDEL' A.N.; PILIPCHUK, B.I.; BABKO, A.K.; SHAYEVICH, A.B.; DOLINSKIY, Ye.F.

On the establishment of standards in the methods of presenting experimental data. Zav.lab. 27 no.10:1273-1278 '61.

(MIRA 14:10)

1. Fiziko-tehnicheskiy institut AN SSSR (for Zaydel'). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im D. I. Mendeleyeva (for Pilipchuk, Dolinskiy). 3. Institut obshchev i neorganicheskoy khimii AN USSR (for Babko). 4. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Shayevich).

(Mathematical statistics)

S/032/61/027/009/010/019
B101/B110

AUTHOR: Pilipchuk, B. I.

TITLE: The specific work of indentation of a sphere

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 9, 1961, 1147-1149

TEXT: This is the discussion of a paper by S. S. Stepanov (Ref. 1: Zavodskaya laboratoriya, v. 26, 10 (1960)) who defined the "specific work of plastic indentation". Stepanov is reproached for the following inaccuracies: (1) Not only the volume of indentation of the sphere, V_A , is measured, but also volume V_C which is bounded by the dam formed around the indentation. (2) The volume $V = (\pi/3)h^2(3R - h)$ (1), where R is the sphere radius and h the depth of recovered indentation, is by no means equal to $V_A + V_C$. Calculation of the recovered indentation is to be based upon its depth h and its diameter d . The radius of curvature, ρ , of the indentation can be calculated from $d^2/4 = h(2\rho - h)$. The following is found: $V_A + V_C = (\pi/24)h(4h^2 + 3d^2)$ (2). (3) The work performed for the recovered indentation is $A = \int_0^H PdH - A_e$ (3), where $P = f(H)$ is the force of indentation

Card 1/2

The specific work of indentation...

S/032/61/027/009/010/019
B101/B110

expressed by a function of the depth H of the non-recovered indentation. A_e is the work of elastic recovering neglected by Stepanov who only writes $A_e = \int_0^h f(h)dh$. By this, the author was caused to recalculate Stepanov's data. He found the following deviations at a sphere diameter of 1587 mm. A_e (kg-mm) -4.6 to +1.1%; A_y (kg/mm²) +18 to +41%; at a sphere diameter of 10 mm: A_e +1.8 to +38.4%; A_y +31 to +129%. A final judgment on the suitability of the notion of specific work of plastic indentation is only possible if (a) exact measurements of A_y are made; (b) tests are carried out over a wider range of loads; (c) the specific work for differently shaped ends (spheres, cones, pyramids) is compared. A paper by I. L. Mirkin, S. I. Novak (Ref. 2: Zavodskaya laboratoriya, v. 15, 7 (1949)) is mentioned. There are 2 figures, 1 table, and 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. D. I. Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleyev)

Card 2/2

PILIPCHUK, B. I.; STEJANOV, S.S.

New hardness number. Zav.lab. 27 no.2:237-238 '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallogii
imeni Mendeleyeva.
(Hardness)

PILIPCHUK, B. I.

Principle shortcomings of the proposed system of units "m - kg - kgf -
sec." Izm.tekh. no.11:32-35 N '60. (MIRA 13:11)
(Metric system)

PILIPCHUK, B.I.

Comparison of the Meyer and the Brinell hardnesses. Zav.lab 26 no.10:
1145-1147 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I.Mendeleyeva.
(Hardness)

PILIPCHUK, B.I.

Effect of geometrical parameters of conical diamond tips on
the results of metal hardness measurement. Zav.lab. no.4:
510-513 '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
imeni Mendeleyeva.
(Diamonds, Industrial) (Hardness)

P. L. P. H. U. R., B. E.

24(1), 5(1); 6(2) PHASE I BOOK EXPLOITATION SOY, 22.5
D.I. Mendeleevka

Referaty nauchno-issledovatel'skij institut metrologii imeni
Research Abraams, Collection of Scientific Works No. 2 (Scientific
Standartizatsiya, 1956), 139 p., 100 copies printed.

Additional Sponsoring Agency: USSR, Komitet standartov, ser. 1
Inzernitel'nykh priborov.

Ed.: S. V. Rezheline, Tech. Ed.: M. A. Kondrat'eva.

PURPOSE: These reports are intended for scientists, researchers,
and engineers engaged in developing standards, measures, and
gages for the various industries.

COVERAGE: This volume contains 124 reports on standards of measure-
ment and control. The reports were prepared by scientists of
the Komitet standartov, Amer. i Izmeritel'nykh priborov pri Sovete Ministriv SSSR (Commission on Standardization,
Measures, and Measuring Instruments under the USSR Council of
Ministers). The participating institutions are: VNIIM -
Vsesoyuznyy nauchno-issledovatel'skij inzernitel'nykh priborov insti-
tut (All-Union Scientific Research Institute of Measuring
Instruments), D.I. Mendeleev (All-Union Scientific Research Institute of Met-
rology), D.I. Mendeleev (VNIIM), VNIK (Vsesoyuznyy Avtomanno-issledovatel'skiy
institut Komitet standartov, ser. 1 Izmeritel'nykh priborov
(All-Union Scientific Research Institute of the Commission
on Standardization, Measures, and Measuring Instruments affiliated
with VNIIM) - Vsesoyuznyy Gouzotroverchnyy Institut ser. 1
Izmeritel'nykh priborov Moscow State Institute of Metrology
and Measuring Instruments (Institut metricheskogo izmerenija
i vysokotekhnicheskikh priborov), All-Union Scientific Research
Institute of Radioelectronics and Radioelectronics
Measurements in Moscow (KhGIIMP), Kharkov University
Institute, Ser. 1 Izmeritel'nykh priborov, Institute of
Measures and Measuring Instruments (Institut NIIIMP Novosibirsk),
Dnepropetrovsk Institute ser. 1 Izmeritel'nykh priborov
(Novosibirsk State Institute of Measurements and Measuring
Instruments), No personalization air mentioned. There are no references.
Reznik, M.S. (VNIIM). Determining the Absolute of Standard
High-speed Pitot static Tubes by the Absolute Method
Zolotovits, Ye.V. MGIMIP. Determining a High-pressure Viscometer
and Studying the Dependence of Fluid Viscosity on Pressure up
to 5,000 kg/cm²

Malyshev, G.A. VNIIM. Determining water Viscosity at 20°C
Temperature Measurements. Kondrat'eva, Z.M., Editor, Professor
Stralakov, P.J., A.S. Serevits, Komarov, Arif, M.P. Orlova (VNIIM), 7

Practical Temperature Scale in the Range 40-100 K
Borovik-Romanyuk, A.S., M.P. Orlova, and N.N. Krymskaya (VNIIM), 7
Determining Deviations from Linear Law at Low Temperatures for
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Scale of Temperatures Below 0°
Pashchenko, B.I., and S.I. Sirei (VNIIM). Interpolation
Formula for a Fierstium Re (silver) Thermometer in
Temperature - 1° - 100° - 0°C.

28(5)

AUTHORS:

Pilipchuk, B. I., Stepanov, S. S.

SCM/1-10-1A 11

TITLE:

On the New Hardness Number (O novom chisle tverdosti)

On the Abstracts Published in 1958 by M. S. Drozd in No. 1 and 2 of
the Periodical "Zavodskaya laboratoriya" (Po povodu stately M. S.
Drozda, opublikovannykh v NoNo 1 i 8 zhurnala "Zavodskaya laboratoriya"
za 1958 g.)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 764 - 766 (USSR)

ABSTRACT:

In connection with the abstract mentioned in the title it is pointed
out that the diameter of the replica is not included into the
equation given by Drozd for the computation of the new hardness
number and that this method differs from the computation of H_B ,

i. e. the hardness number by Brinell. On the basis of several
explanations the following is stated: 1. The most constant value of
the hardness number computed according to Drozd's equation is
obtained if instead of the diameter the depth of the replica is
measured. 2. In the case of the hardness number computed according
to the equation (21) given by Drozd (Fig 2) which is derived in the
present case, it is possible to observe a uniform rise of the
new hardness number under conditions of increased load. Under

Card 1/2

conditions of equal degree of load $P/D^2 \approx 30$ the value of H_{B_n} increases

On the New Hardness Number.

SOV/32-25-6-51/53

On the Abstracts Published in 1958 by M. S. Drozd in Nr 1 and 8 of the Periodical
"Zavodskaya laboratoriya"

hardness number differs, computed according to different equations
in spheres with a diameter of 10 mm, by 16% and with diameters of
1.587 mm, by 14%. Some results are given (Table). There are
1 table and 2 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D. I. Mendeleyeva (All-Union Scientific Research Institute of
Metrology imeni D. I. Mendeleyev)

Card 2/2

PILIPCHUK, B.I.

Units for measuring thermal values. Izn.tekh. 20 no.1:23-28
Ja '59. (MIRA 11:12)
(Thermometry) (Units)

PILIPCHUK, B.I.

Errors in the calibration of platinum resistance thermometers.
Trudy VNIIM no.4:3-49 '48. (MIRA 11:11)
(Thermometers)

PILIPCHUK, B.I.

Checking the purity of ice. Trudy VNIIM no. 4:50-56 142.
(MIRA 11:11)
(Ice--Testing)

PILIPCHUK, B.I.

Reaching the hardening point of mercury. Trudy VNIIM no.4:57-65 '48.
(MIRA 11:11)

(Mercury)

(Thermometry)

PILIPCHUK, B.I.

Using Diesselhorst's potentiometer for temperature measurements.
Trudy VNIIM no.4:95-102 '48. (MIRA 11:11)
(Temperature--Measurement)

PILIPCHUK, B.I.

Investigating the stability of certain thermocouples of base
metals in the temperature interval from 0 to 100°C. Study
VNIM no.4:6-16 '47. (MIRI 17:110)
(The manuscript)

PILIPCHUK, B.I.

Using cooling mixtures for thermometry purposes. Trudy VNIIM
no.4:17-30 '47. (MIRA 11:11)
(Thermometry)

PHASE I BOOK EXPLOITATION

888

U.S.S.R. Komitet standartov, mer i izmeritel'nykh priborov

Pribory dlya izmereniya temperatury i ikh poverka; instruktivnye materialy
(Temperature Measuring Instruments and Their Calibration; Instructions)
Moscow, Mashgiz, 1955. 470 p. 10,000 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii.

Compilers: Gordov, A.N., Candidate of Physical and Mathematical Sciences,
Zholkovskiy, S.M., Engineer, and Sosnovskiy, A.G., Engineer; Eds.: Gordov, A.N.,
Candidate of Physical and Mathematical Sciences and Filipchuk, B.I., Candidate
of Technical Sciences; Tech. Ed.: Sokolova, T.F., Managing Ed. for literature
on machine building and instrument making (Mashgiz): Pokrovskiy, N.V., Engineer.

PURPOSE: This set of instructions is intended as a guide for state, industry and
trade controllers in testing and calibrating temperature measurement instru-
ments in accordance with specifications established by the Council of Ministers'
Committee on Standards, Measures and Measuring Instruments.

Card 1/9

Temperature Measuring Instruments (Cont.)

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COVERAGE: The book contains instructions for testing and calibrating temperature measuring devices. Part 1, designed primarily for inspectors and controllers responsible for the correct usage of measuring instruments in various branches of industry, carries a description of the more commonly used instruments and provides basic instructions on their use. Part 2 contains instructions for calibrating the different types of instruments. A very extensive Supplement, which actually forms a third part, contains tables used in checking the instruments, and samples of test forms. The book was drafted and compiled by A.N. Gordov, Candidate of Physical and Mathematical Sciences and staff member of the All-Union Scientific Research Institute of Metrology (VNIM), and engineers S.M. Zholkovskiy and A.G. Sosnovskiy of the Moscow State Institute of Measures and Measuring Instruments (MGIMIP). Final editing, rewriting and preparation for printing was done by the following members of the All-Union Scientific Research Institute of Metrology: Chapter I by A.N. Gordov, Chapter II and instructions 1, 2, and 3 by F.Z. Aliyeva and B.I. Pilipchuk, Chapter III and instruction 4 by F.Z. Aliyeva, N.Z. Dolgiy, N.N. Medvedev, B.I. Pilipchuk and Yu. P. Fal'berg, Chapter IV and instruction 5 by F.Z. Aliyeva and B.I. Pilipchuk, Chapter V and instructions 6, 7, and 8 by B.I. Pilipchuk and N.N. Ergardt, Chapter VI and instructions 9 and 10 by A.S. Arzhanov,

Card 2/9

Temperature Measuring Instruments (Cont.)

888

Chapter VII and instruction 11 by I.I. Kirenkov, Chapters VIII, IX, X, and instruction 12, 13 and 14 by A.N. Gordov, I.I. Kirenkov and E.A. Lapina. All the above persons participated in writing Chapter XI. In addition to the tables in the Supplement the book contains another 45 tables and 140 diagrams in the first two parts. There is a total of 30 references, all Soviet.

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Foreword

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PILIPCHUK, B.I.
Platinum resistance thermometer scale based on interval ratio.
Trudy VNIIM no.25:103-110 155°
(thermometers) (calibration)
(MIRA 11:6)